

Amendments to the Specification

Please amend the specification as follows.

Please amend the title as follows:

METHOD FOR TREATING CANCER BY INCREASING TUMOR SUPPRESSOR LKB1
KINASE DIRECTLY ACTIVATES AMP-ACTIVATED KINASE ACTIVITY

Please amend the paragraph beginning on page 7, line 1, as follows:

Figure 5 shows that LKB1 expression protects HeLa cells from AICAR, but not UV-induced cell death. Fig. 5a: ~~Phase shows phase~~ contrast images of HeLa cells stably expressing vector, WT LKB1, or KD KB1 5h after treatment with 2.5 mM AICAR. Results are representative of four independent experiments. ~~Fig. 5b, Fig. 5c;~~ Cell viability was determined following AICAR or UV expressed as a percentage of untreated controls. Cell viability quantified by MTT assays run in triplicate on indicated HeLa stable cell lines treated with 2.5 mM AICAR or 50 j/cm² UV for 8h. Results are representative of two independent experiments.